

Technical Data Sheet

Purified NA/LE Rat Anti-Mouse TNF

Product Information

Material Number:	554640
Size:	0.5 mg
Concentration:	1.0 mg/ml
Clone:	G281-2626
Immunogen:	Recombinant Mouse TNF
Isotype:	Rat IgG1
Reactivity:	QC Testing: Mouse
Storage Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered. Endotoxin level is ≤0.01 EU/µg (≤0.001 ng/µg) of protein as determined by the LAL assay.

Description

The G281-2626 antibody reacts with mouse and rat tumor necrosis factor (TNF). The immunogen used to generate the G281-2626 hybridoma was recombinant mouse TNF. This is a neutralizing antibody. Cross reactivity with LT- α has not been determined.

Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

This preparation contains no preservatives, thus it should be handled under aseptic conditions.

Application Notes

Application

ELISA	Routinely Tested
Neutralization	Tested During Development

Neutralization Activity:

This antibody has been reported to be useful for the neutralization of recombinant mouse TNF. Neutralization activity may be measured using a cytotoxicity assay for MTT dye conversion with 24 pg/mL recombinant mouse TNF (Cat. No. 554589) and L929 at 2×10^5 cells/mL as indicator cells (i.e. preincubation of the antibody with recombinant mouse TNF for 60 minutes).

50% Neutralization (ND50) at 50 - 500 ng/mL

≥ 75% Neutralization at 1 - 20 µg/mL

Suggested Companion Products

Catalog Number	Name	Size	Clone
554682	Purified NA/LE Rat IgG1 κ Isotype Control	0.5 mg	R3-34
554589	Recombinant Mouse TNF	10 µg	(none)
555268	Mouse TNF (Mono/Mono) ELISA Set	20 plates	(none)
558534	Mouse TNF ELISA Set II	20 plates	(none)
560478	Mouse TNF ELISA Kit	2 plates	(none)
558299	Mouse TNF Flex Set	100 tests	(none)
551491	Mouse TNF-alpha ELISPOT Set	100 tests	(none)

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. An isotype control should be used at the same concentration as the antibody of interest.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

Abrams J. Immunoassay of mouse and human cytokines using NIP-labeled anti-cytokine antibodies. *Curr Protoc Immunol.* 2001; 1:6.20-6.21. (Biology)

Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, Silver JE. Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. *Immunol Rev.* 1992; 127:5-24. (Clone-specific: ELISA)

Wang AM, Creasey AA, Ladner MB, Lin LS, Strickler J, Van Arsdell JN, Yamamoto R, Mark DF. Molecular cloning of the complementary DNA for human tumor necrosis factor. *Science.* 1985; 228(4696):149-154. (Clone-specific: ELISA)

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